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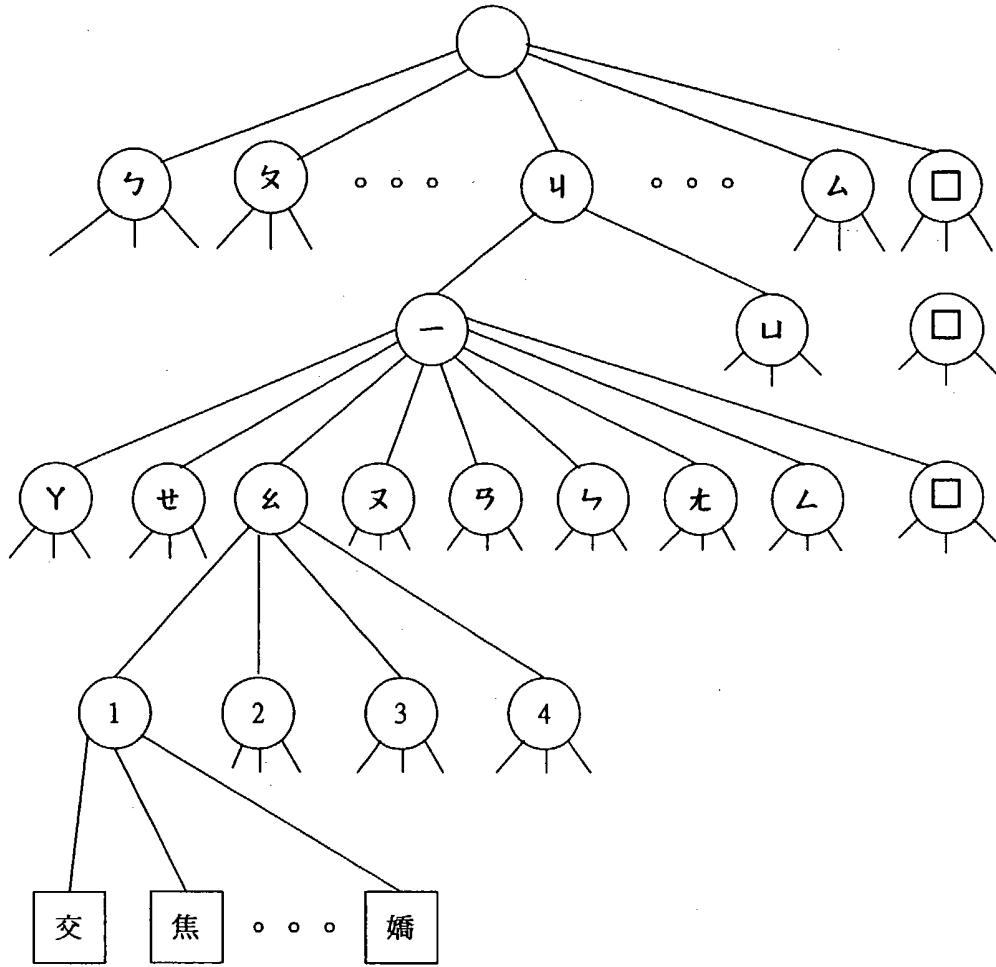
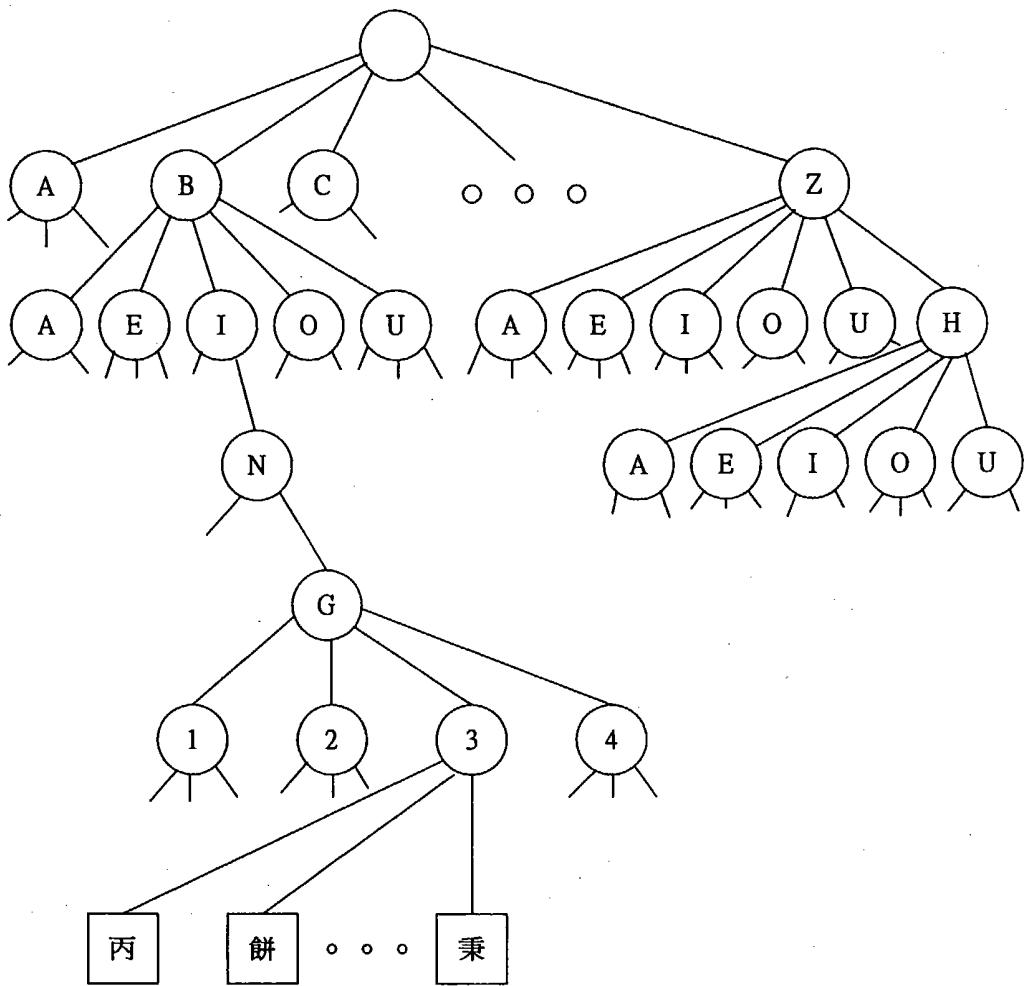


Figure 1. Lexical structure tree of the phonetic symbol strings of
Zhu-Yin (BoPoMoFo) system.



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Figure 2. Lexical structure tree of the phonetic symbol strings of
Pin-Yin system.

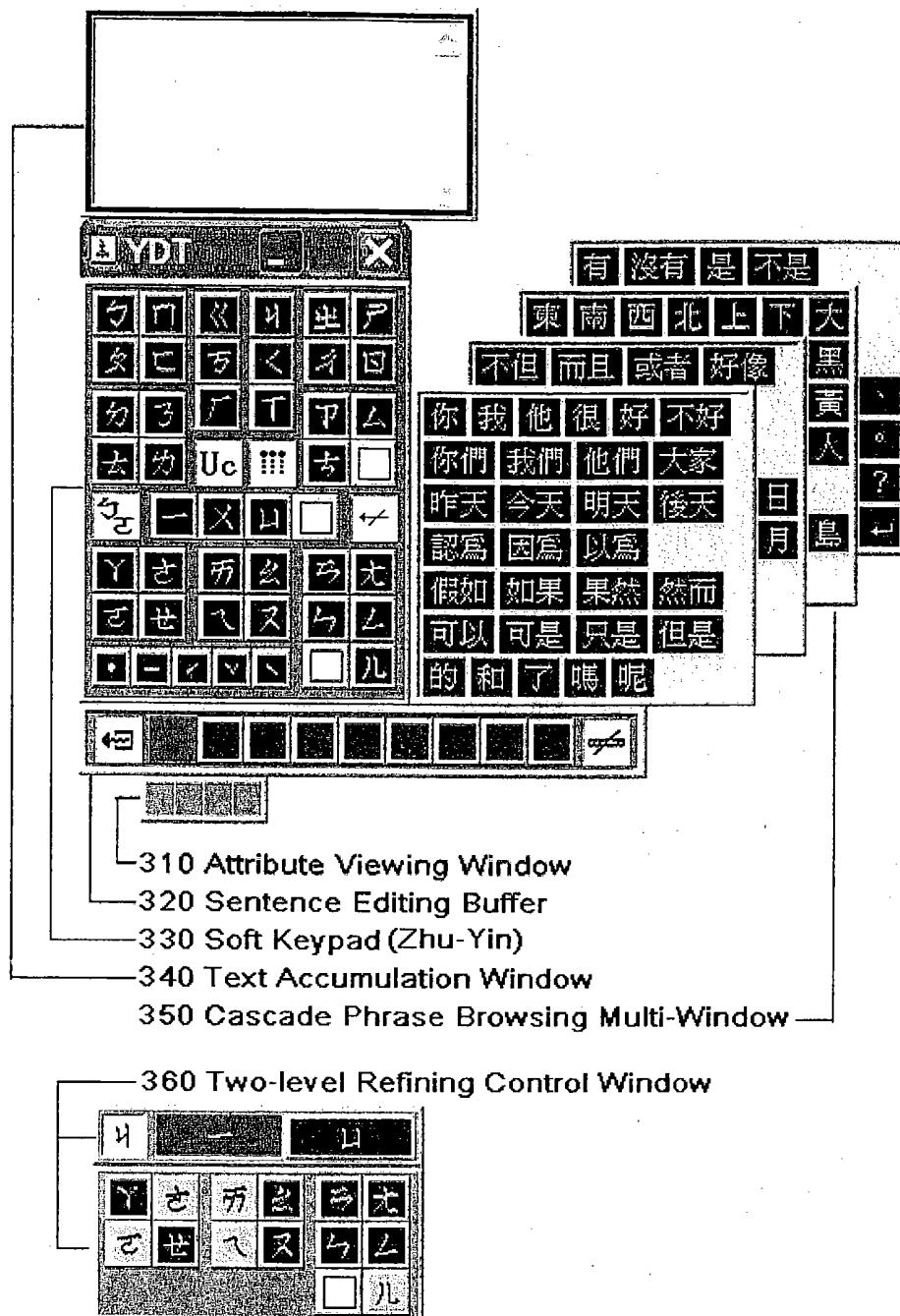
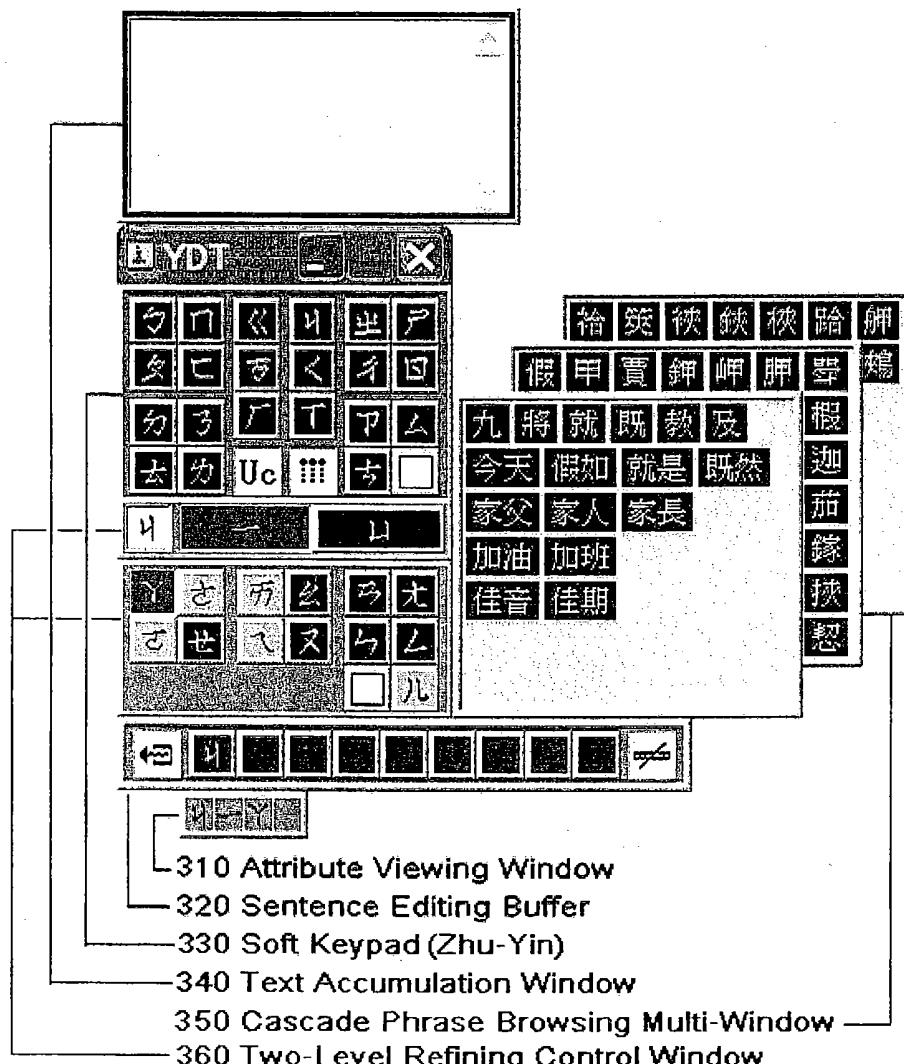


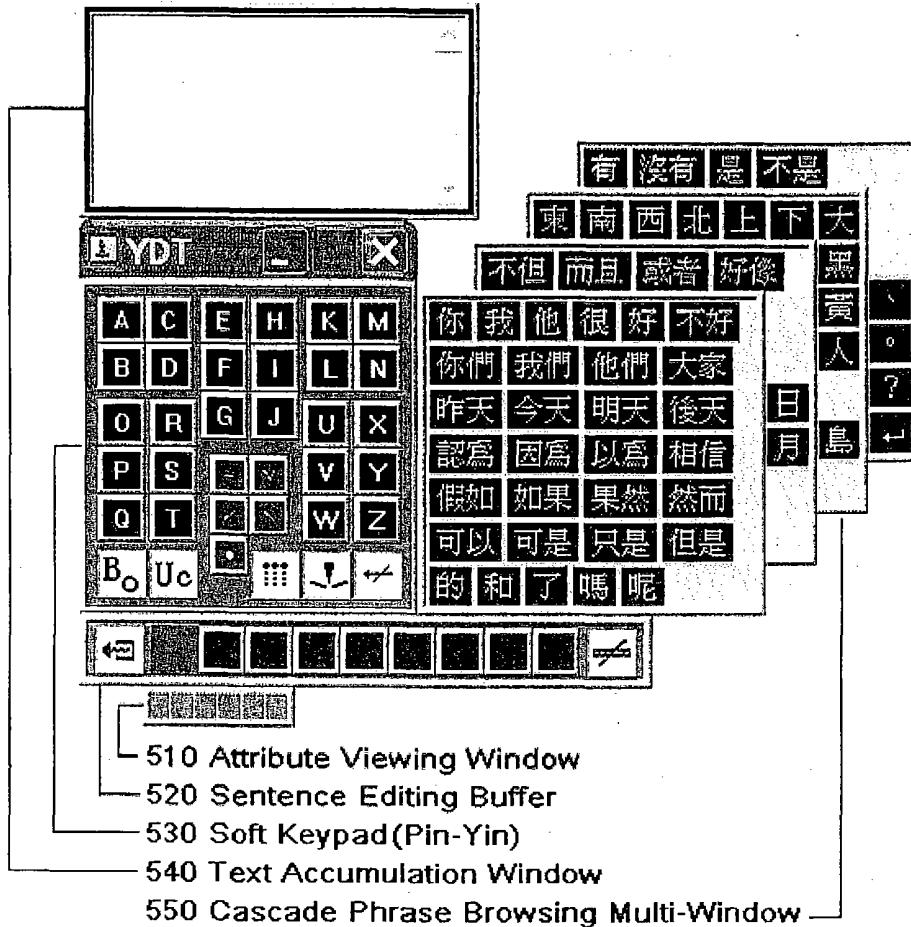
Figure 3. System components (Zhu-Yin system).



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Figure 4. System components with window overlapping in actual use.

(Zhu-Yin system)



560 Two-Level Refining Control Window

	D	A	E	I	O	U
答	DA	吳	DAI			
丹	DAN	當	DANG			
刀	DAO					

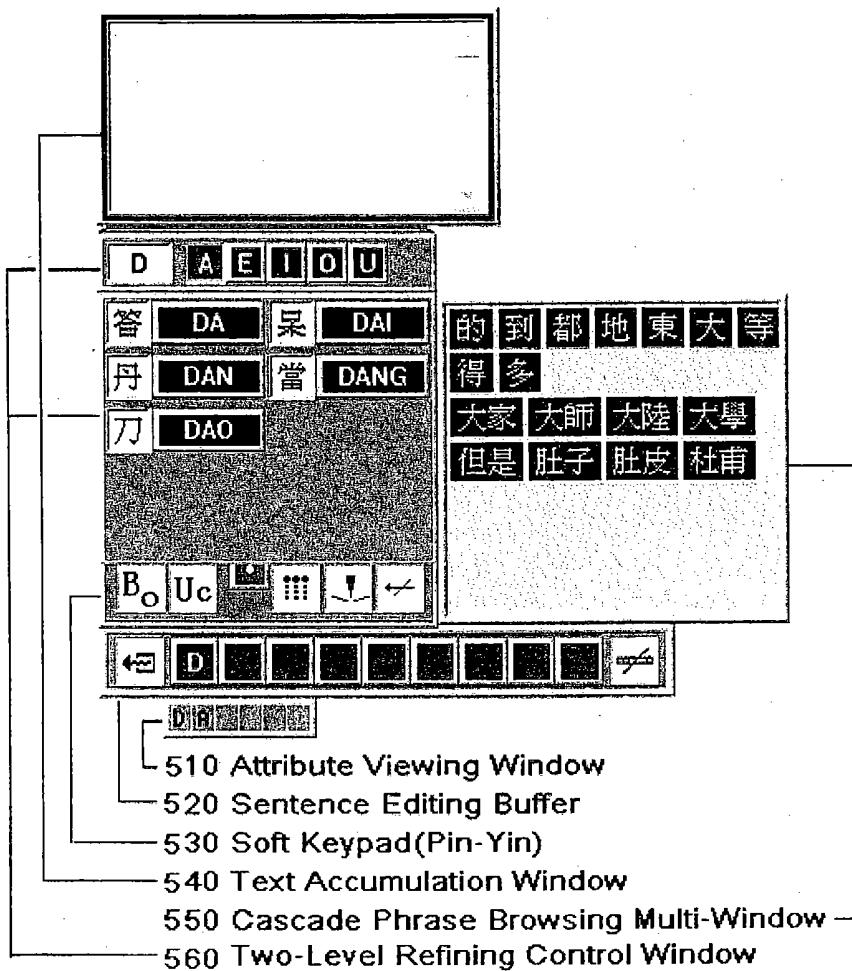


Figure 6. System components with window overlapping in actual use.

(Pin-Yin system)

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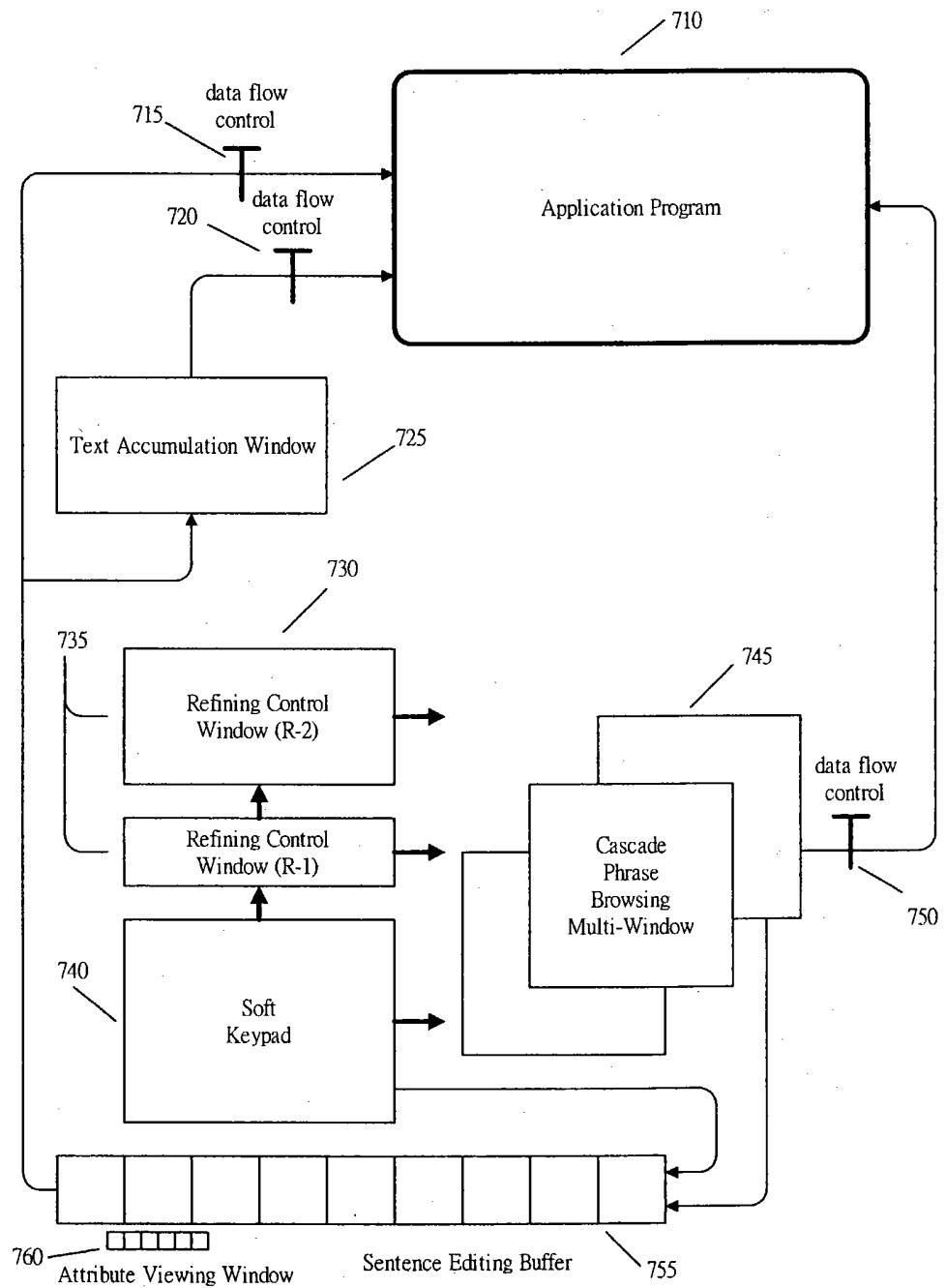
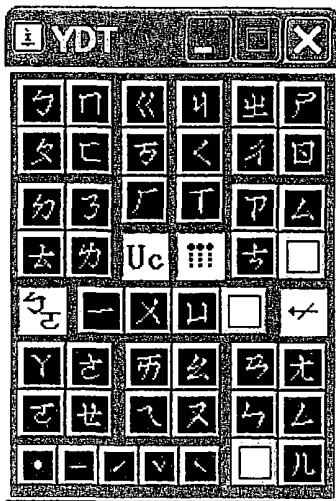
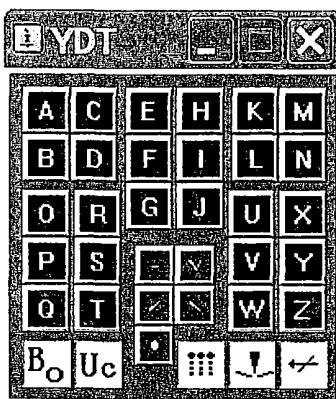


Figure 7. Control paths and data flow.



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Figure 8. Layout of the Zhu-Yin Keypad.



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Figure 9. Layout of the Pin-Yin Keypad.

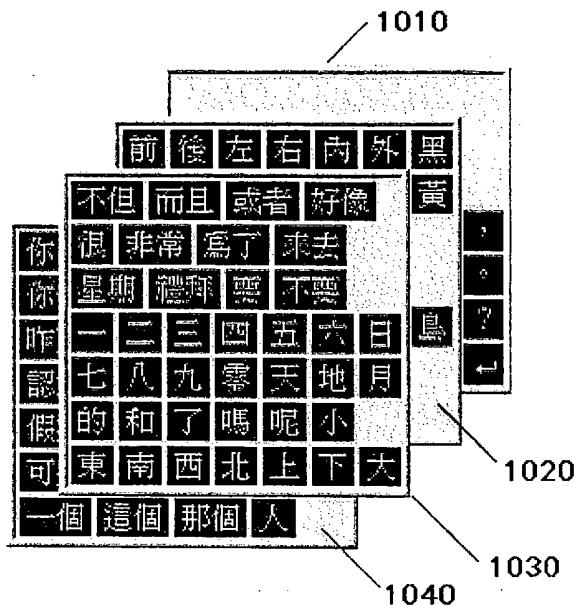


Figure 10. Cascade Phrase Browsing Multi-Window.

phrase length	1	2	3	4	5	6	7	8	9
# phrases	100	50	30	20	20	10	10	10	10

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Figure 11. The number of phrases that can be fitted into one window page
of size equal to 10x10 words.



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Figure 12. Sentence Editing Buffer.

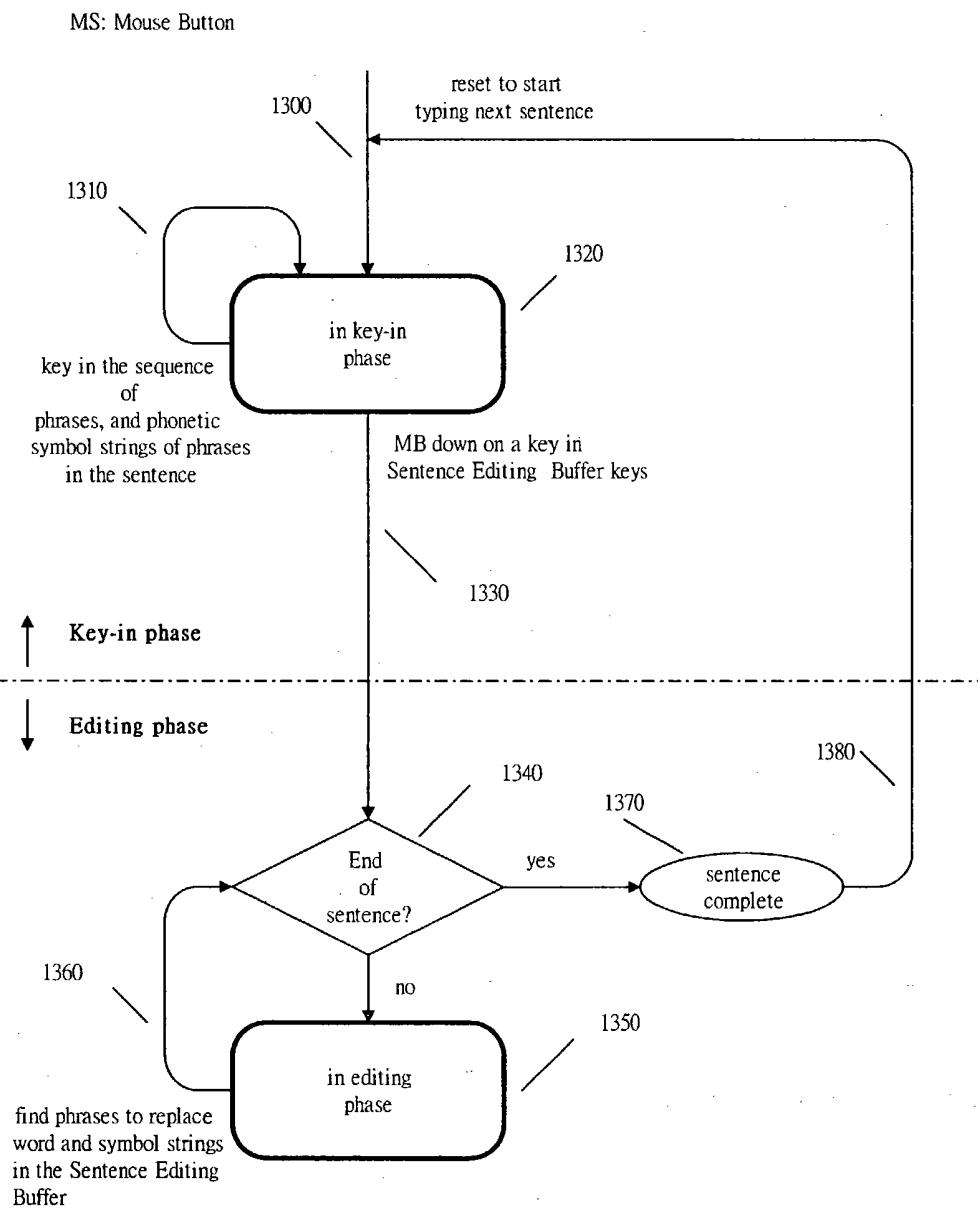
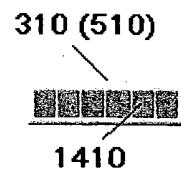
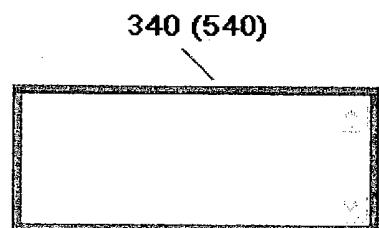


Figure 13. Two-Phase Sentence Generation Procedure.



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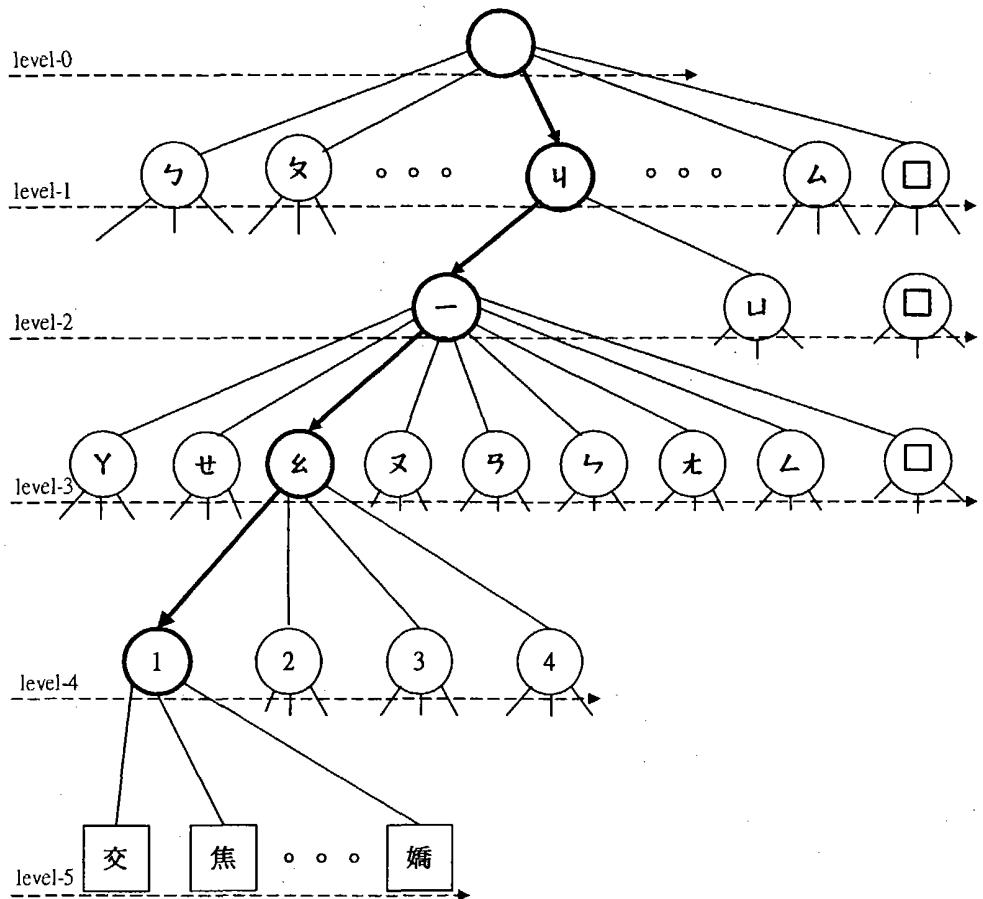
Figure 14. Attribute Viewing Window.



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Figure 15. Text Accumulation Window.

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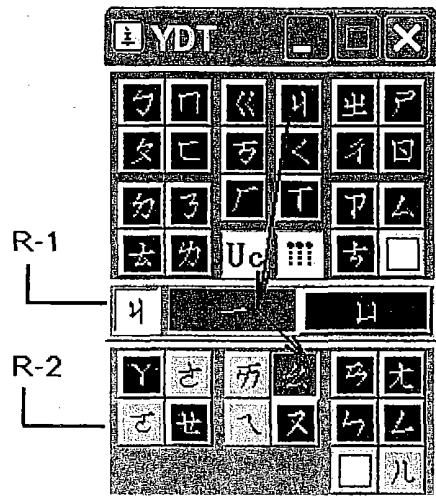


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Figure 16. Traversing on the Lexical Structure Tree.

(Zhu-Yin system)

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Figure 17. Press-Touch-Release (PTR) operation on the Zhu-Yin Keypad
and the R-1 and R-2 window panels.

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MB: Mouse Button

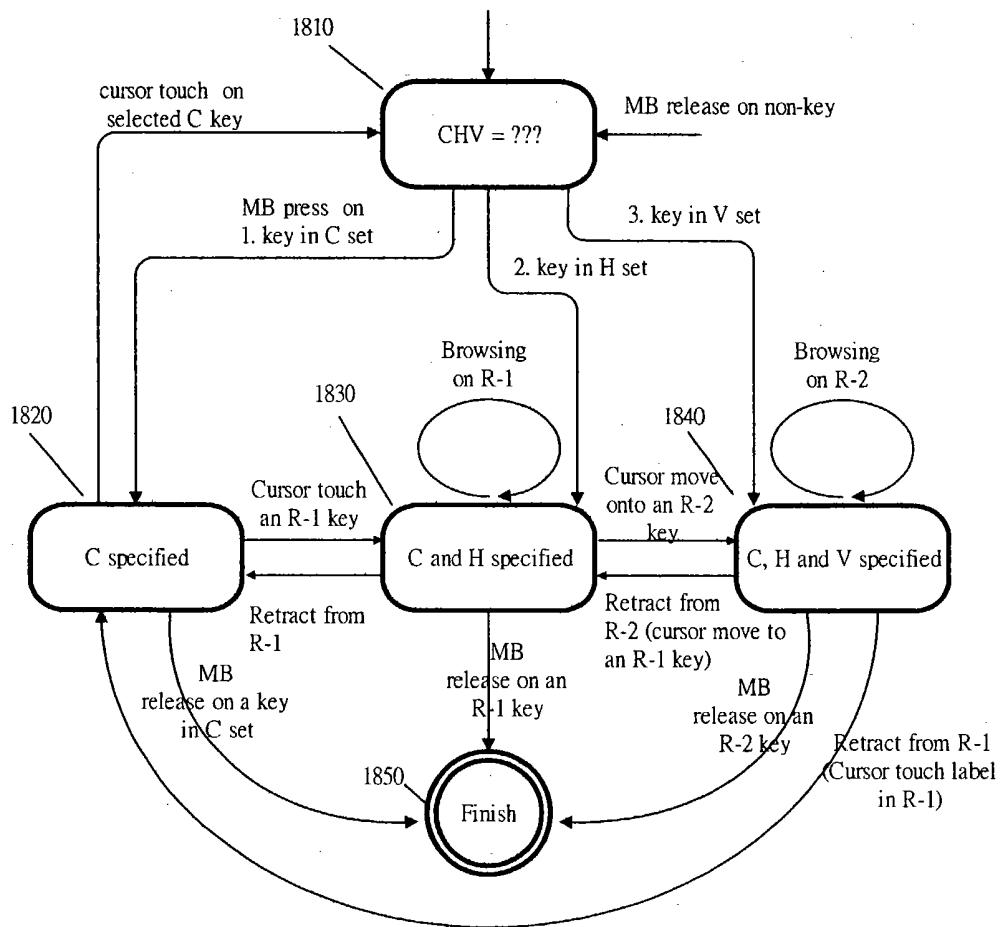
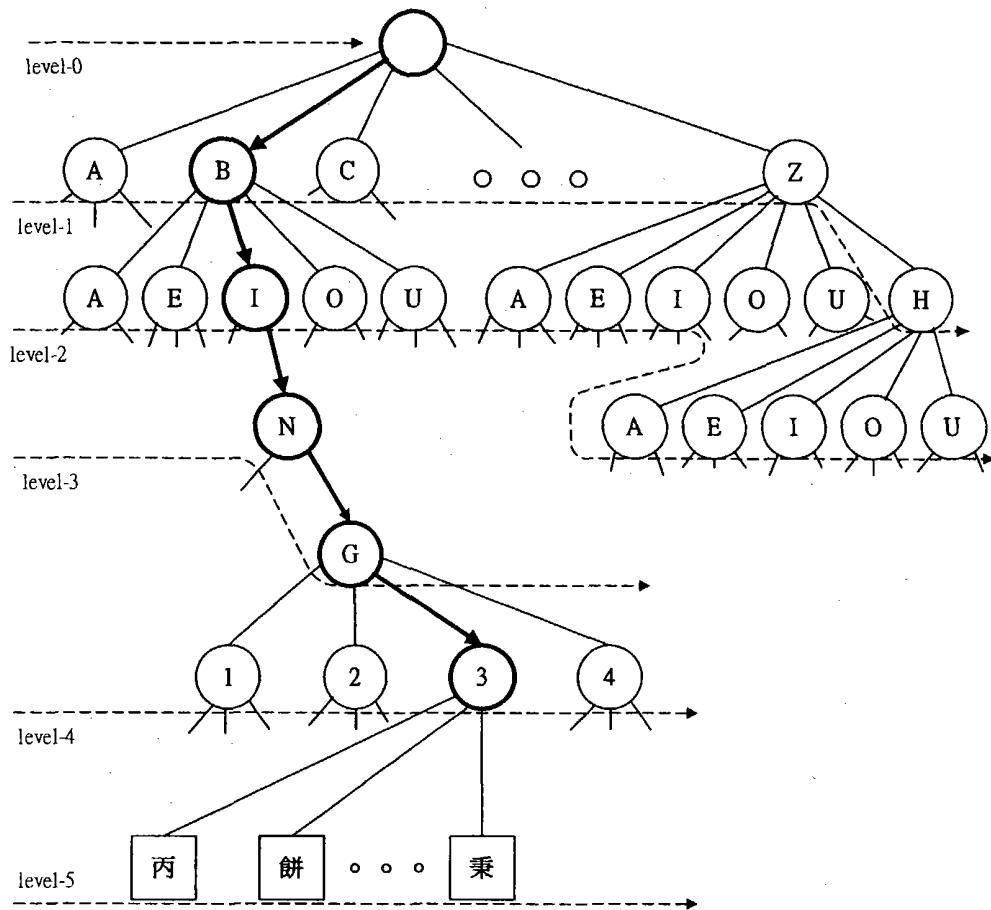


Figure 18. Flow Chart of the PTR operation on the Zhu-Yin Keypad

and the R-1 and R-2 panels.



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Figure 19. Traversing on the Lexical Structure Tree.

(Pin-Yin system)

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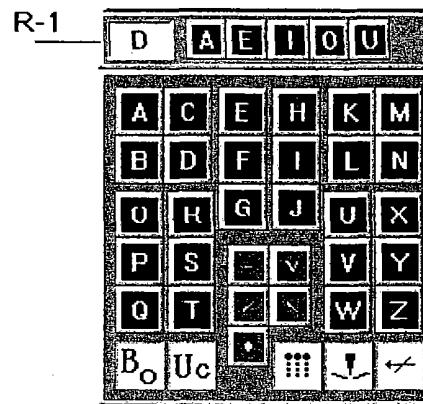


Figure 20. R-1 Refining Control Panel of "D".

(Pin-Yin system)

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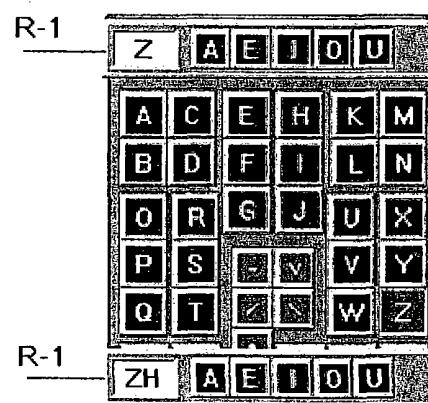


Figure 21. R-1 Refining Control Panels of "Z" and "ZH".

(Pin-Yin system)

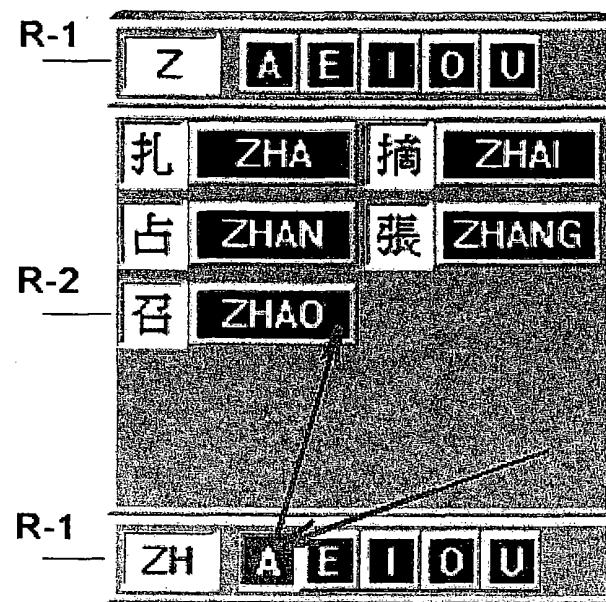
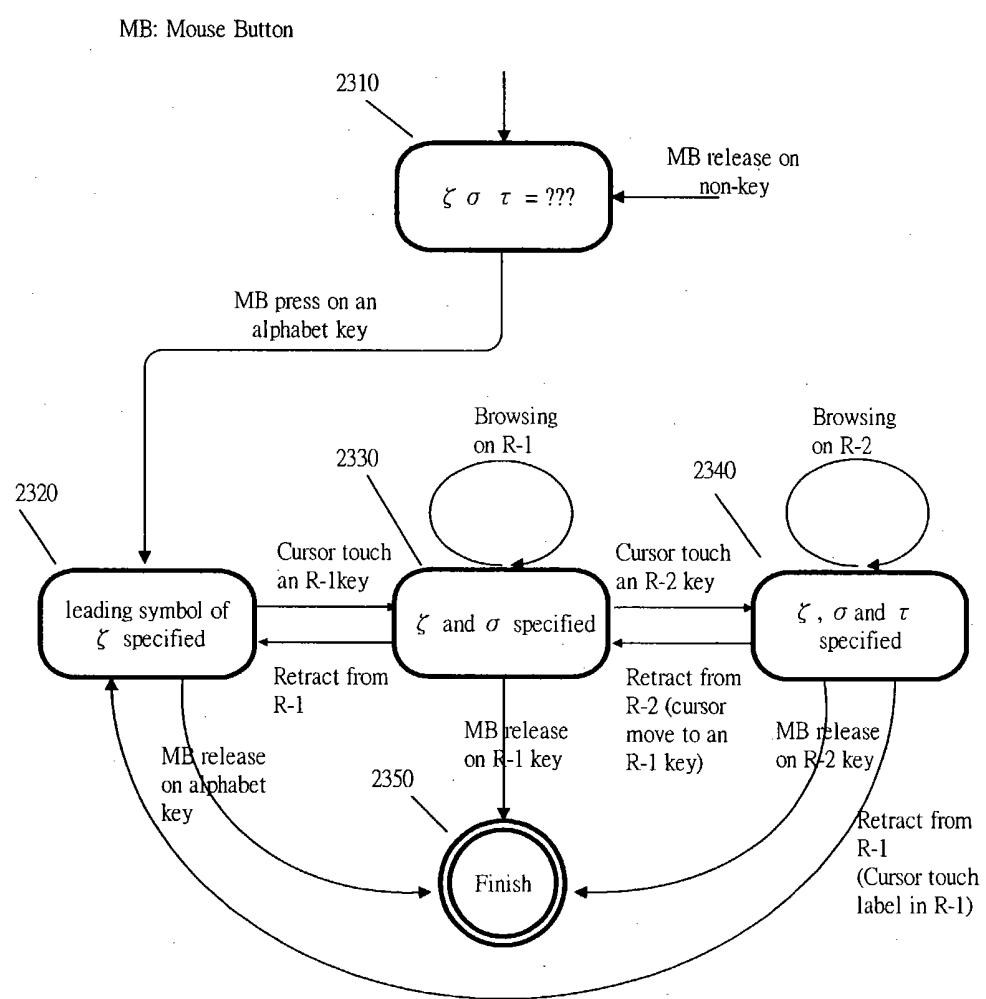


Figure 22. Press-Touch-Release operation on the Pin-Yin Keypad

and the R-1 and R-2 Panels.

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Figure 23. Flow Chart of the PTR operation on the Pin-Yin Keypad
and the R-1 and R-2 panels.

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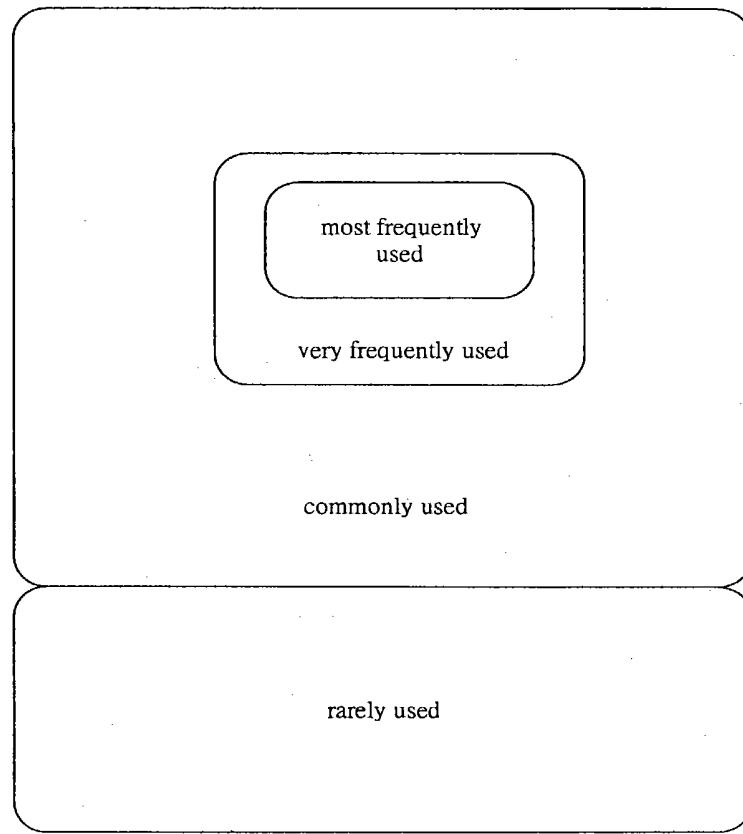


Figure 24. Multi-level frequency-based phrase classification scheme.

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phrase length	1	2	3	4	5	6	7	8	9
# phrases	3700	1850	1110	740	740	370	370	370	370

Figure 25. The number of phrases of the very frequently used phrase set

that can be presented with a 10x10 words page in Multi-Window (Zhu-Yin system).

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phrase length	1	2	3	4	5	6	7	8	9
# phrases	2600	1300	780	520	520	260	260	260	260

Figure 26. The number of phrases of the very frequently used phrase set

that can be presented with a 10x10 words page in Multi-Window (Pin-Yin system).

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The diagram illustrates a window-based interface for displaying variable-length phrases. Two windows are shown, each containing a 4x5 grid of characters. The top window, labeled 2710, contains the following characters:

鍾情	正氣	蒸氣	蒸汽	
週期	作曲	酌情	畫痕	
志趣	識趣	自強	致歉	
枝枝節	政權機	蒸汽機		
證券交	蒸氣計	作曲家		
中秋節				

The bottom window, labeled 2720, contains the following characters:

旨趣	只求	徵求	紙錢	
組曲	之前	支取	知情	
足球	築牆	竹籤	值錢	
職權	擴取	值勤	竹器	

Figure 27. Varied-length phrase presentation in Multi-Window.

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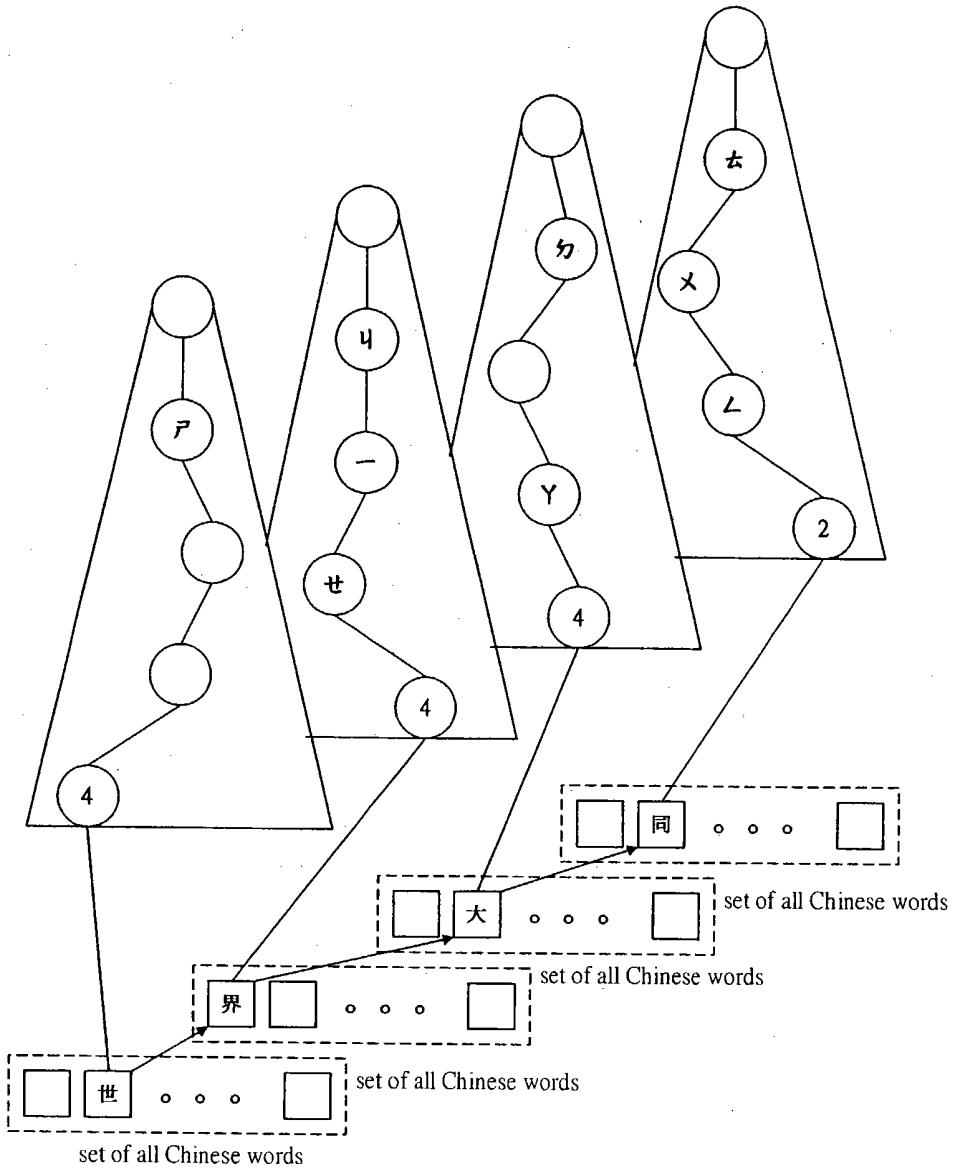


Figure 28. Relation diagram between the lexical structure trees

of the phonetic symbol strings and Chinese words.

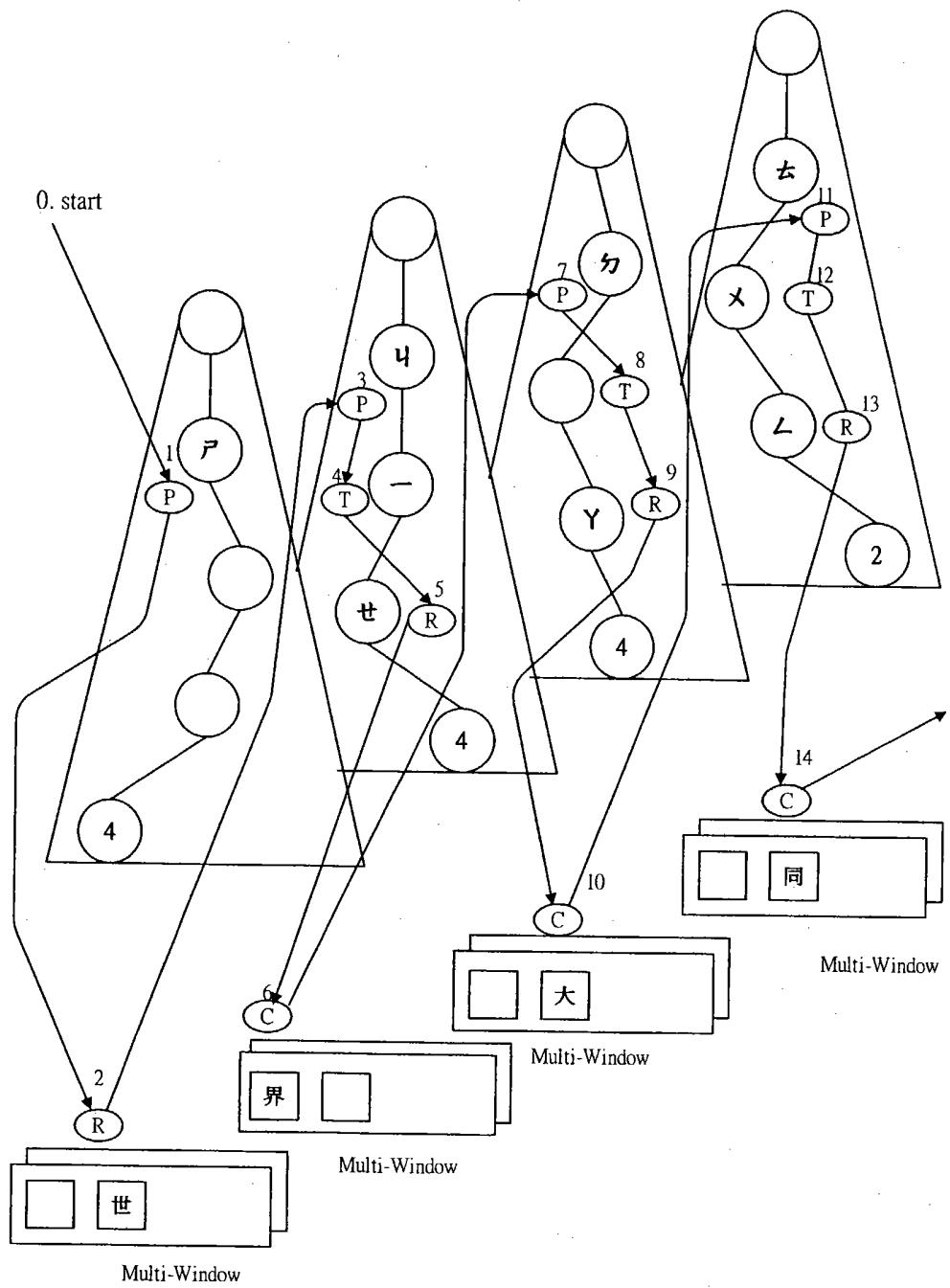


Figure 29. Word-by-word key-in process.

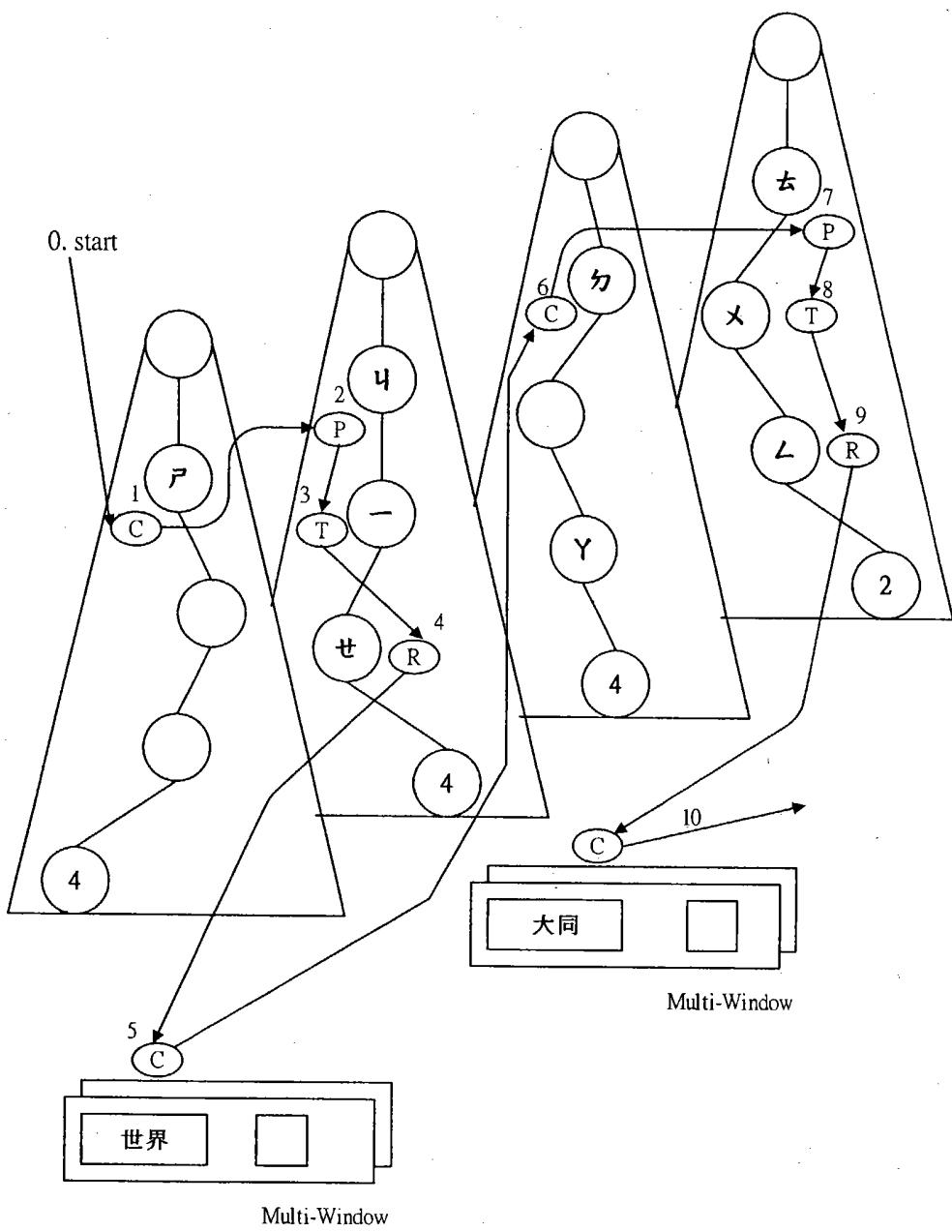


Figure 30. Phrase-by-phrase key-in process.

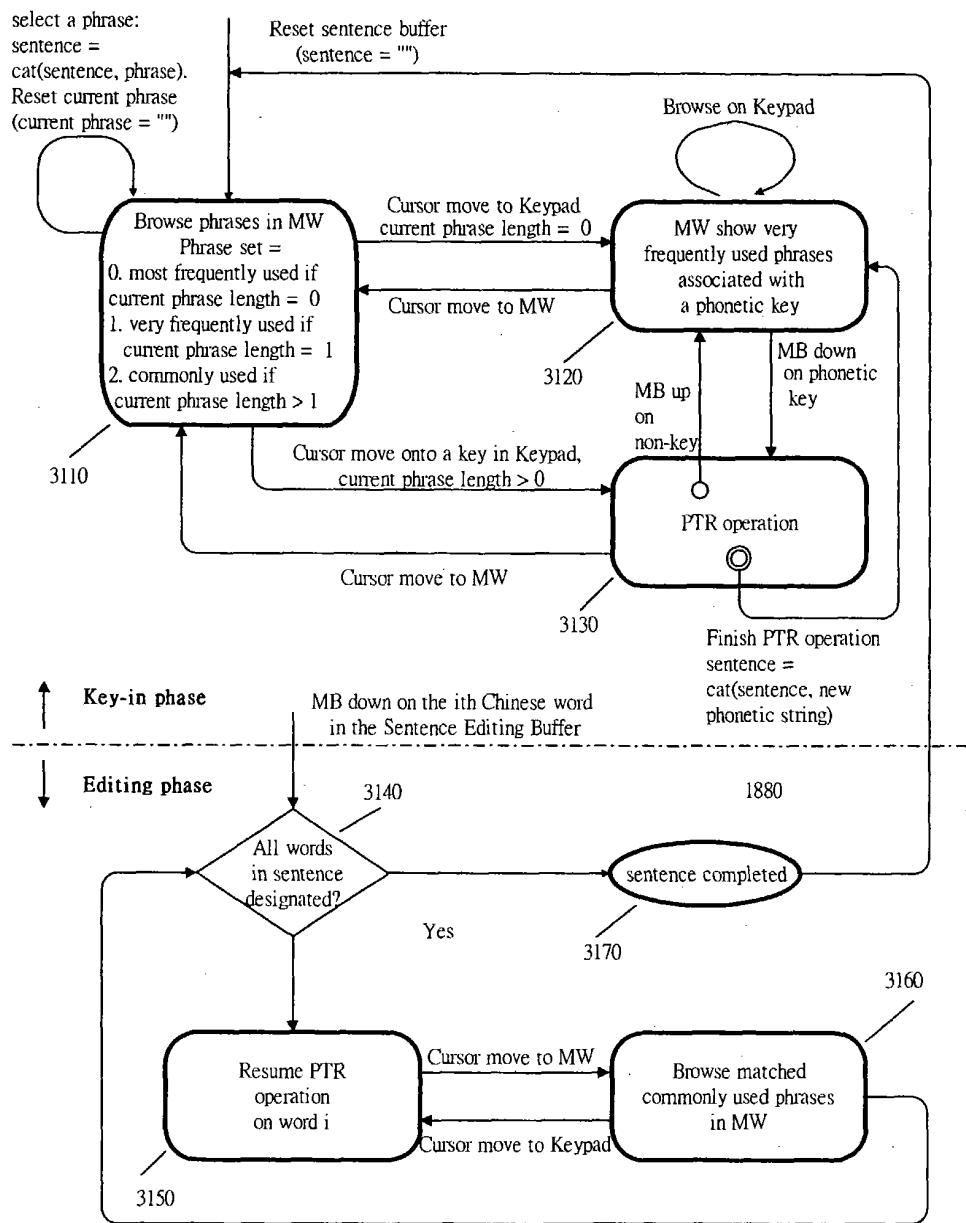
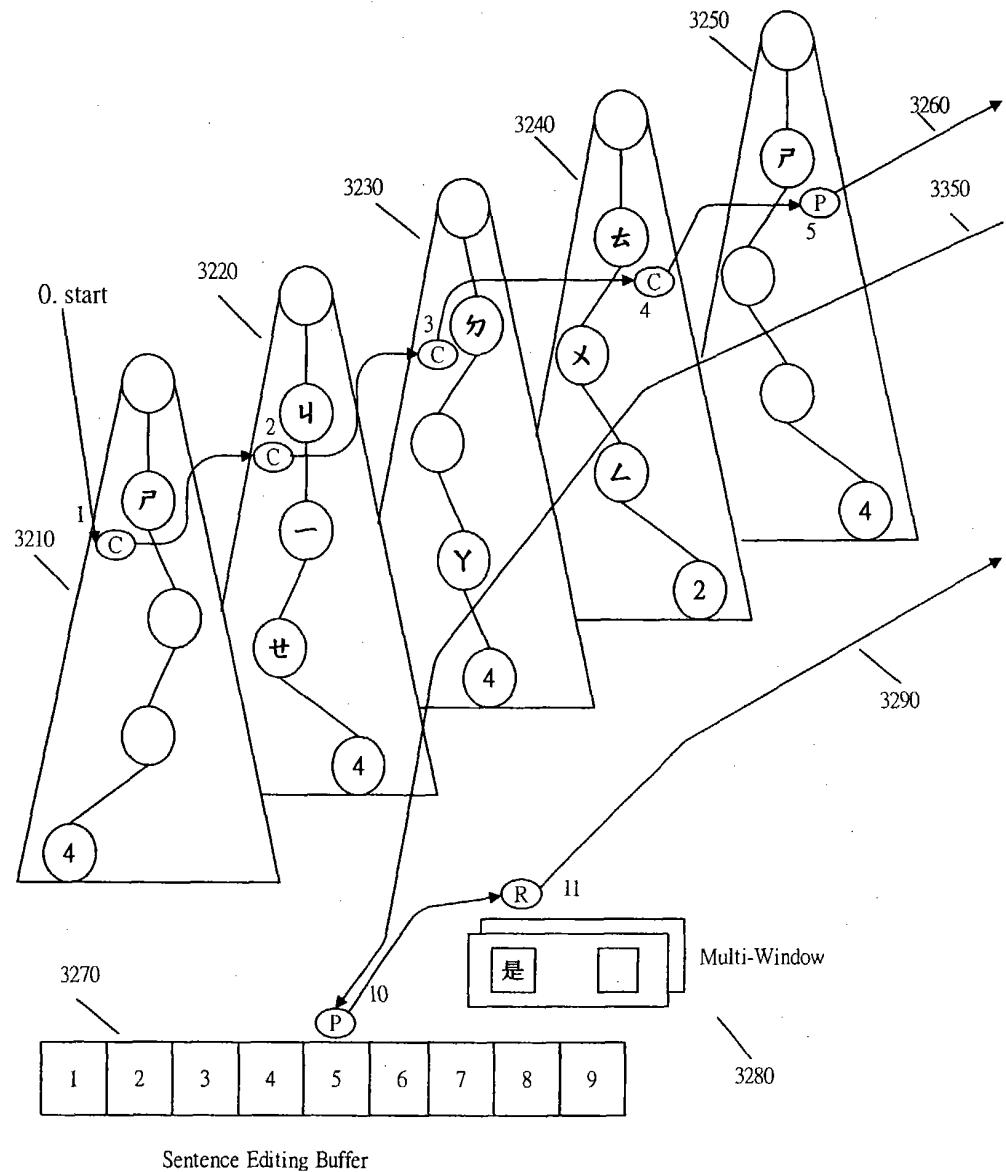


Figure 31. Flow chart of the Two-Phase Sentence Generation Procedure.



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Figure 32. Example of the Two-Phase Sentence Generation Procedure
(in Rapid-Firing mode).

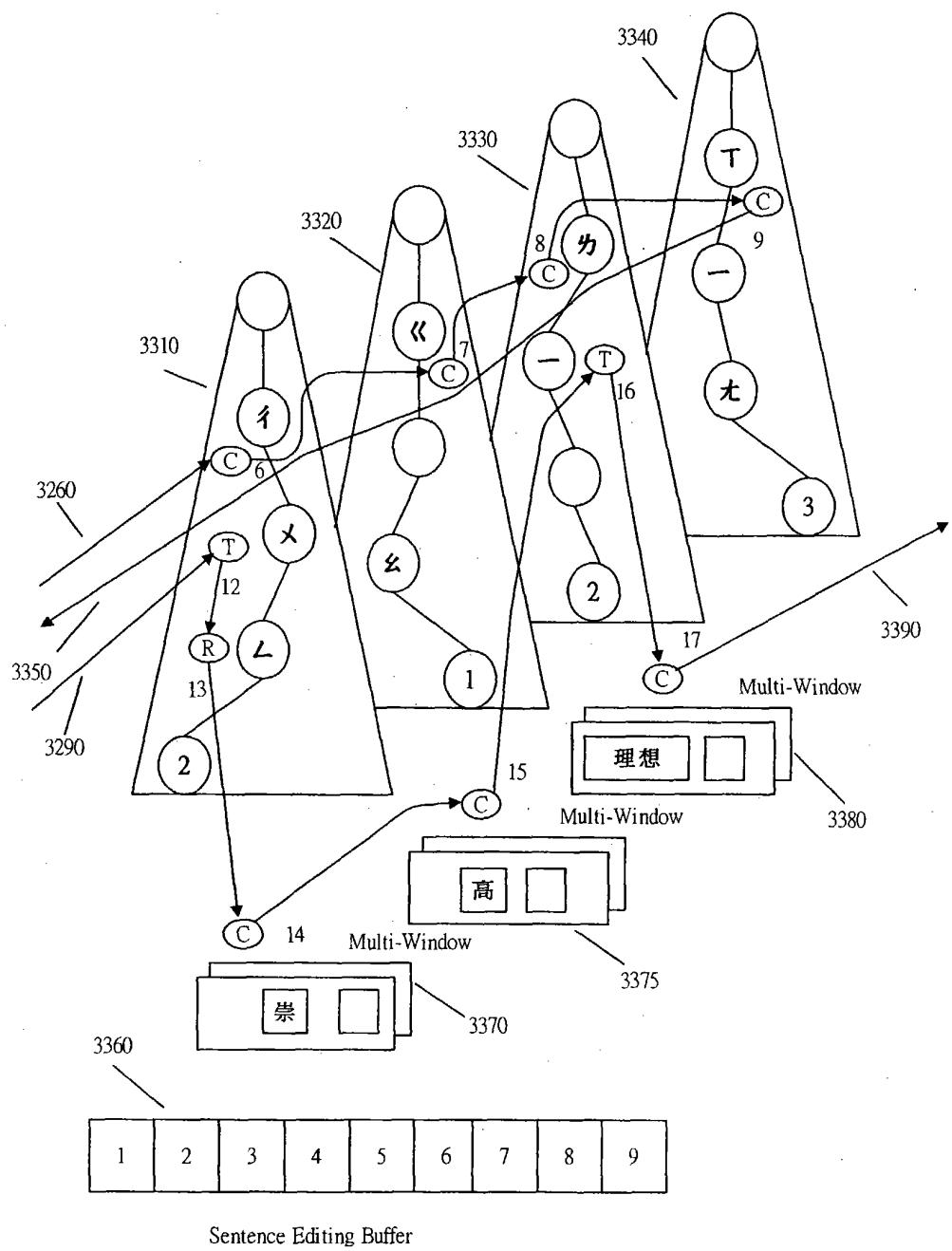


Figure 33. Example of the Two-Phase Sentence Generation Procedure.

(continued from Figure 32)